

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD2092_01_f_2012_18				
Comment Code					
Inspector Comment					
A few members of the company have already been through a few flood events and received proper training.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD2092_01_s_2012_24				
Comment Code					
Inspector Comment					
They have the latest O&M manual for their district.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	26		
LM End	0.00	Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_RD2092_01_s_2012_26						
Comment Code							
Inspector Comment							
LMA has adequate flood fighting supplies.							

No Photos

LM Start	0.18	Rating **	M	Issue No.	973
LM End	0.18	Issue Type +	Ma	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.602031 °	37.602031 °
				-121.161249 °	-121.161249 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27123 DS_ID:20561 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at headwall on LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 60-inch corrugated metal drainpipe through levee 19.0 feet below crown. Flap gate on the waterward end. Slide gate in 80-inch corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends. Originally included in the 1961 O&M manual. FS Date: 1/16/2014 12:03:14 PM					

Photo 1 of 3 : UCIP_SP_2017_27123_50242.jpg



Slide gate in 80-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	0.18	Rating **	M	Issue No.	973 (cont)
LM End	0.18	Issue Type +	Ma	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.602031 °	37.602031 °
				-121.161249 °	-121.161249 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27123 DS_ID:20561 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe rusted through at headwall on LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 60-inch corrugated metal drainpipe through levee 19.0 feet below crown. Flap gate on the waterward end. Slide gate in 80-inch corrugated metal pipe riser on the waterward slope. Concrete "U" headwalls on both ends. Originally included in the 1961 O&M manual. FS Date: 1/16/2014 12:03:14 PM					

Photo 2 of 3 : UCIP_SP_2017_27123_50241.jpg



Concrete headwall on LS toe in front of pump on pier.

LM Start	0.18	Rating **	M	Issue No.	973 (cont)
LM End	0.18	Issue Type +	Ma	Location *	N/A

Photo 3 of 3 : UCIP_SP_2017_27123_50240.jpg



Flapgate and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	0.38	Rating **	A	Issue No.	17
LM End	0.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.601283 °	37.601283 °
				-121.164806 °	-121.164806 °
DWR ID	DWR_RD2092_01_s_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Acceptable vegetation.					

Photo 1 of 1 : SP_2017_RD2092_116_17_20170417_00036.jpg



View of the landside of the levee. Spring 2017

LM Start	0.65	Rating **	M	Issue No.	40
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.598629 °	37.591915 °
				-121.167574 °	-121.165881 °
DWR ID	DWR_RD2092_01_s_2017_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.87	Rating **	M	Issue No.	19
LM End	1.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.595725 °	37.590537 °
				-121.168175 °	-121.163975 °
DWR ID	DWR_RD2092_01_s_2017_19				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_19_20170417_00044.jpg



View of vegetation on the waterside of the levee.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	1.21	Rating **	M	Issue No.	15
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.591293 °	37.591293 °
				-121.165434 °	-121.165434 °
DWR ID	DWR_RD2092_01_s_2016_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_15_20170327_00004.jpg



View of a rodent hole on the landside of the levee.

LM Start	1.29	Rating **	M	Issue No.	39
LM End	1.29	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.590701 °	37.590701 °
				-121.164339 °	-121.164339 °
DWR ID	DWR_RD2092_01_s_2017_39				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	1.30	Rating **	A/W	Issue No.	976
LM End	1.30	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.590603 °	37.590603 °
				-121.164111 °	-121.164111 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20889 DS_ID:20562 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee 15.0 feet below crown. Slide gate in 48-inch corrugated metal riser on the waterward slope. 4'X6' concrete distribution box on LS toe. 5'X5' concrete riser on WS toe. Originally included in the 1961 O&M manual. FS Date: 9/24/2013					

Photo 1 of 2 : UCIP_SP_2017_20889_35213.jpg



Slide gate in 48-inch CMP riser on WS slope.

LM Start	1.30	Rating **	A/W	Issue No.	976 (cont)
LM End	1.30	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : UCIP_SP_2017_20889_35212.jpg



Concrete distribution box at concrete canal on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	1.32	Rating **	A/W	Issue No.	10
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.590467 °	37.590467 °
				-121.163822 °	-121.163822 °
DWR ID	DWR_RD2092_01_s_2012_10				
Comment Code					
PI : Pipe					
Inspector Comment					
A sand boil appeared on the landside toe of the levee because of an underground pipe leakage. The pipe and boil have been repaired but should be monitored.					

Photo 1 of 2 : SP_2017_RD2092_116_10_20170327_00002.jpg



During spring inspection 2012, the sand boil was not active but materials were present on the landside toe of the levee. The sand boil occurred due to an underground irrigation pipe leakage. The picture was taken from the crown looking toward the toe of the levee. The area was repaired but should be monitored.

LM Start	1.32	Rating **	A/W	Issue No.	10 (cont)
LM End	1.32	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD2092_116_10_20170327_00003.jpg



A sand boil was found on the landside of the levee. It was caused by a pipe leak couple of feet below the boil location. LMA was notified to repair it as soon as possible. The picture was taken from the crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	1.56	Rating **	M	Issue No.	16
LM End	1.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.587593 °	37.587593 °
				-121.162431 °	-121.162431 °
DWR ID	DWR_RD2092_01_f_2016_16				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_16_20170327_00005.jpg



View of rodent holes on the landside of the levee looking downstream.

LM Start	1.58	Rating **	M	Issue No.	38
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.587282 °	37.587282 °
				-121.162641 °	-121.162641 °
DWR ID	DWR_RD2092_01_s_2017_38				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_38_20170417_00043.jpg



View of a rodent hole on the waterside of the levee.

LM Start	1.66	Rating **	M	Issue No.	21
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.586267 °	37.586267 °
				-121.163209 °	-121.163209 °
DWR ID	DWR_RD2092_01_s_2017_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_21_20170417_00037.jpg



View of rodent holes on the landside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	1.69	Rating **	A/W	Issue No.	977
LM End	1.69	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.585938 °	37.585938 °
				-121.163348 °	-121.163348 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20891 DS_ID:20563 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 14.0 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete "U" headwall at the landward toe. Originally included in the 1961 O&M manual. FS Date: 9/24/2013					

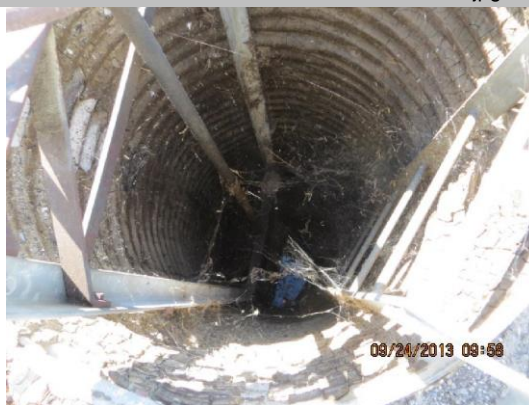
Photo 1 of 3 : UCIP_SP_2017_20891_35216.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	1.69	Rating **	A/W	Issue No.	977 (cont)
LM End	1.69	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_20891_35215.jpg



Slide gate in 36-inch CMP riser on WS slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	1.69	Rating **	A/W	Issue No.	977 (cont)	
LM End	1.69	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.585938 °	37.585938 °	
				-121.163348 °	-121.163348 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20891						
DS_ID:20563						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee						
14.0 feet below crown. Slide gate in corrugated metal pipe riser on the						
waterward slope. Concrete "U" headwall at the landward toe.						
Originally included in the 1961 O&M manual.						
FS Date: 9/24/2013						

Photo 3 of 3 : UCIP_SP_2017_20891_35214.jpg



Concrete headwall at base of LS toe.

LM Start	1.92	Rating **	M	Issue No.	37
LM End	1.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.584273 °	37.584273 °
				-121.161034 °	-121.161034 °
DWR ID	DWR_RD2092_01_s_2017_37				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	2.04	Rating **	M	Issue No.	29
LM End	2.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.584270 °	37.584270 °
				-121.158820 °	-121.158820 °
DWR ID	DWR_RD2092_01_s_2017_29				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	2.07	Rating **	A/W	Issue No.	978
LM End	2.07	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.584212 °	37.584212 °
				-121.158347 °	-121.158347 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20904 DS_ID:20564 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal pipe through levee 15.0 feet below crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Filled with concrete on LS toe. Originally included in the 1961 O&M manual. FS Date: 9/24/2013					

Photo 1 of 2 : UCIP_SP_2017_20904_35221.jpg



Pipe and concrete headwall visible on LS toe to right of powerpole.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	2.07	Rating **	A/W	Issue No.	978 (cont)	
LM End	2.07	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.584212 °	37.584212 °	
				-121.158347 °	-121.158347 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:20904						
DS_ID:20564						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal pipe						
through levee 15.0 feet below crown. Flap gate on the waterward end.						
Concrete "U" headwalls on both ends. Filled with concrete on LS toe.						
Originally included in the 1961 O&M manual.						
FS Date: 9/24/2013						

Photo 2 of 2 : UCIP_SP_2017_20904_35220.jpg



Pipe and concrete headwall visible on LS toe.

LM Start	2.20	Rating **	M	Issue No.	30
LM End	2.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.583080 °	37.583080 °
				-121.156387 °	-121.156387 °
DWR ID	DWR_RD2092_01_s_2017_30				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	2.40	Rating **	M	Issue No.	981
LM End	2.40	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.580426 °	37.580426 °
				-121.156798 °	-121.156798 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20943 DS_ID:20567 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drain pipe through levee 15.0 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward end and concrete headwall on LS toe next to pump. Originally included in the 1961 O&M manual. FS Date: 9/24/2013					

Photo 1 of 3 : UCIP_SP_2017_20943_35251.jpg



24-inch pipe visible on WS berm.

LM Start	2.40	Rating **	M	Issue No.	981 (cont)
LM End	2.40	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_20943_35250.jpg



Concrete U-shaped headwall and flapgate on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	2.40	Rating **	M	Issue No.	981 (cont)
LM End	2.40	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.580426 °	37.580426 °
				-121.156798 °	-121.156798 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20943 DS_ID:20567 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drain pipe through levee 15.0 feet below crown. Flap gate on the waterward end. Concrete "U" headwall on the waterward end and concrete headwall on LS toe next to pump. Originally included in the 1961 O&M manual. FS Date: 9/24/2013					

Photo 3 of 3 : UCIP_SP_2017_20943_35252.jpg



Concrete headwall next to pump on WS toe.

LM Start	2.41	Rating **	M	Issue No.	31
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.580292 °	37.580292 °
				-121.156847 °	-121.156847 °
DWR ID	DWR_RD2092_01_s_2017_31				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_31_20170417_00038.jpg



View of rodent holes on the landside slope of the levee looking downstream. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	2.49	Rating **	M	Issue No.	32
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.579149 °	37.575796 °
				-121.156989 °	-121.157220 °
DWR ID	DWR_RD2092_01_s_2017_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_32_20170417_00039.jpg



View of vegetation on the waterside slope of the levee. Spring 2017

LM Start	2.58	Rating **	M	Issue No.	33
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.577820 °	37.577820 °
				-121.157079 °	-121.157079 °
DWR ID	DWR_RD2092_01_s_2017_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.61	Rating **	U	Issue No.	36
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.577522 °	37.577522 °
				-121.157126 °	-121.157126 °
DWR ID	DWR_RD2092_01_s_2017_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_36_20170417_00042.jpg



View of a rodent hole on the waterside slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	2.62	Rating **	M	Issue No.	34
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.577364 °	37.577364 °
				-121.157131 °	-121.157131 °
DWR ID	DWR_RD2092_01_s_2017_34				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_34_20170417_00040.jpg



View of rodent holes on the landside slope of the levee looking downstream. Spring 2017

LM Start	2.82	Rating **	U	Issue No.	35
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.574869 °	37.574869 °
				-121.156247 °	-121.156247 °
DWR ID	DWR_RD2092_01_s_2017_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD2092_116_35_20170417_00041.jpg



View of multiple rodent holes on the waterside slope of the levee. Spring 2017

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	3.47	Rating **	M	Issue No.	984
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.573304 °	37.573304 °
				-121.144747 °	-121.144747 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20945					
DS_ID:20572					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: This pipe appears abandoned and if so, should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal pipe through levee 11.0 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwalls on both ends. Originally included in the 1961 O&M manual.					
FS Date: 9/24/2013					

Photo 1 of 3 : UCIP_SP_2017_20945_35261.jpg



48-inch CMP riser on WS slope.

LM Start	3.47	Rating **	M	Issue No.	984 (cont)
LM End	3.47	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_20945_35260.jpg



Grate over sump on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.71	04/07/2017 04/07/2017	Pavel Kazi

LM Start	3.47	Rating **	M	Issue No.	984 (cont)
LM End	3.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.573304 °	37.573304 °
				-121.144747 °	-121.144747 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:20945					
DS_ID:20572					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: This pipe appears abandoned and if so, should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal pipe through levee 11.0 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete headwalls on both ends. Originally included in the 1961 O&M manual.					
FS Date: 9/24/2013					

Photo 3 of 3 : UCIP_SP_2017_20945_35262.jpg



Grate over sump on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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